

NATURAL ATTENUATION OF METALS IN GROUNDWATER AT AN ABANDONED WASTE DISPOSAL SITE

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Elevated arsenic, manganese and iron concentrations in the groundwater are present at the toes of two former waste disposal areas in the South Conterminous Area at the Former Richards-Gebaur Air Force Base, Belton, Missouri. Contaminant and geochemical data indicate that natural attenuation of the metals is occurring as the metals migrate away from the reducing conditions of the waste disposal areas into more oxygenated ground and surface water. A feasibility study has been performed by the KCD that incorporates the natural metal attenuation into a monitored natural attenuation alternative. In this presentation, the data supporting the dissolution of the metals as the groundwater migrates away from the waste disposal areas is presented. The formulation of the monitored natural attenuation alternative is also described, including establishment of compliance points, preliminary remediation goals, and contingency actions.

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